

(I)

wherein:

m is 1 or 2

each R<sup>1</sup> is independently hydroxy; (C<sub>1-6</sub>) alkoxy optionally substituted by (C<sub>1-6</sub>)alkoxy, amino, piperidyl, guanidino or amidino optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups, NH<sub>2</sub>CO, hydroxy, thiol, (C<sub>1-6</sub>)alkylthio, heterocyclylthio, heterocyclyloxy, arylthio, aryloxy, acylthio, acyloxy or (C<sub>1-6</sub>)alkylsulphonyloxy; (C<sub>1-6</sub>)alkoxy-substituted (C<sub>1-6</sub>)alkyl; halogen; (C<sub>1-6</sub>)alkyl; (C<sub>1-6</sub>)alkylthio; nitro; azido; acyl; acyloxy; acylthio; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>1-6</sub>)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups;

either R<sup>2</sup> is hydrogen; and

R<sup>3</sup> is in the 2- or 3-position and is hydrogen or (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl optionally substituted with 1 to 3 groups selected from:

thiol; halogen; (C<sub>1-6</sub>)alkylthio; trifluoromethyl; azido; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; (C<sub>2-6</sub>)alkenyloxycarbonyl; (C<sub>2-6</sub>)alkenylcarbonyl; hydroxy optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylcarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl; amino optionally mono- or disubstituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, (C<sub>2-6</sub>)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl and optionally further substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; oxo; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>2-</sub>

6) alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; or

R<sup>3</sup> is in the 3-position and R<sup>2</sup> and R<sup>3</sup> together are a divalent residue =CR<sup>5</sup><sup>1</sup>R<sup>6</sup><sup>1</sup> where R<sup>5</sup><sup>1</sup> and R<sup>6</sup><sup>1</sup> are independently selected from H, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, aryl(C<sub>1-6</sub>)alkyl and aryl(C<sub>2-6</sub>)alkenyl, any alkyl or alkenyl moiety being optionally substituted by 1 to 3 groups selected from those listed above for substituents on R<sup>3</sup>;

R<sup>4</sup> is a group -CH<sub>2</sub>-R<sup>5</sup> in which R<sup>5</sup> is selected from:

(C<sub>3-12</sub>)alkyl; hydroxy(C<sub>3-12</sub>)alkyl; (C<sub>1-12</sub>)alkoxy(C<sub>3-12</sub>)alkyl; (C<sub>1-12</sub>)alkanoyloxy(C<sub>3-12</sub>)alkyl; (C<sub>3-6</sub>)cycloalkyl(C<sub>3-12</sub>)alkyl; hydroxy-, (C<sub>1-12</sub>)alkoxy- or (C<sub>1-12</sub>)alkanoyloxy-(C<sub>3-6</sub>)cycloalkyl(C<sub>3-12</sub>)alkyl; cyano(C<sub>3-12</sub>)alkyl; (C<sub>2-12</sub>)alkenyl; (C<sub>2-12</sub>)alkynyl; tetrahydrofuryl; mono- or di-(C<sub>1-12</sub>)alkylamino(C<sub>3-12</sub>)alkyl; acylamino(C<sub>3-12</sub>)alkyl; (C<sub>1-12</sub>)alkyl- or acylaminocarbonyl(C<sub>3-12</sub>)alkyl; mono- or di-(C<sub>1-12</sub>)alkylamino(hydroxy) (C<sub>3-12</sub>)alkyl; optionally substituted phenyl(C<sub>1-2</sub>)alkyl, phenoxy(C<sub>1-2</sub>)alkyl or phenyl(hydroxy)(C<sub>1-2</sub>)alkyl; optionally substituted diphenyl(C<sub>1-2</sub>)alkyl; optionally substituted phenyl(C<sub>2-3</sub>)alkenyl; optionally substituted benzoyl or benzoylmethyl; optionally substituted heteroaryl(C<sub>1-2</sub>)alkyl; and optionally substituted heteroaroyl or heteroaroylmethyl;

n is 0, 1 or 2;

A is NR<sup>11</sup>, O, S(O)<sub>x</sub> or CR<sup>6</sup>R<sup>7</sup> and B is NR<sup>11</sup>, O, S(O)<sub>x</sub> or CR<sup>8</sup>R<sup>9</sup> where x is 0, 1 or 2 and wherein:

each of R<sup>6</sup> and R<sup>7</sup>, R<sup>8</sup> and R<sup>9</sup> is independently selected from: H; thiol; (C<sub>1-6</sub>)alkylthio; halo; trifluoromethyl; azido; (C<sub>1-6</sub>)alkyl; (C<sub>2-6</sub>)alkenyl; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; (C<sub>2-6</sub>)alkenyloxycarbonyl; (C<sub>2-6</sub>)alkenylcarbonyl; hydroxy, amino or aminocarbonyl optionally substituted as for corresponding substituents in R<sup>3</sup>; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>2-6</sub>)alkenylsulphonyl; or (C<sub>1-6</sub>)aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>1-6</sub>)alkenyl;

or R<sup>6</sup> and R<sup>8</sup> together represent a bond and R<sup>7</sup> and R<sup>9</sup> are as above defined;

or R<sup>6</sup> and R<sup>8</sup> together represent -O- and R<sup>7</sup> and R<sup>9</sup> are both hydrogen; or R<sup>6</sup> and R<sup>7</sup> or R<sup>8</sup> and R<sup>9</sup> together represent oxo;

and each R<sup>11</sup> is independently H, trifluoromethyl, (C<sub>1-6</sub>)alkyl, (C<sub>1-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>1-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl

or (C<sub>1-6</sub>)alkenyl and optionally further substituted by (C<sub>1-6</sub>)alkyl or (C<sub>1-6</sub>)alkenyl;

provided that A and B cannot both be selected from NR<sup>11</sup>, O and S(O)<sub>x</sub> and when one of A and B is CO the other is not CO, O or S(O)<sub>x</sub>.

18. A compound of formula (IA) which is a compound of formula (I) wherein R<sup>3</sup> is hydroxy(C<sub>1-6</sub>)alkyl or 1,2-dihydroxy(C<sub>2-6</sub>)alkyl optionally substituted on the hydroxy group(s).

19. A compound of formula (IB) which is a compound of formula (I) wherein at least one R<sup>1</sup> is (C<sub>2-6</sub>) alkoxy substituted by optionally N-substituted amino, guanidino or amidino or C<sub>1-6</sub> alkoxy substituted by piperidyl, A is CH<sub>2</sub>, CHOH, CH(NH<sub>3</sub>), C(Me)(OH) or CH(Me) and B is CH<sub>2</sub>, CHOH or CO.

20. A method according to claim 17 wherein R<sup>1</sup> is in the 6-position on the quinoline nucleus and is methoxy, amino(C<sub>3-5</sub>)alkyloxy, nitro or fluoro and m is 1.

21. A method according to claim 17 or 20 wherein R<sup>3</sup> is (C<sub>1-6</sub>) alkyl, (C<sub>1-6</sub>) alkenyl, optionally substituted 1-hydroxy-(C<sub>1-6</sub>) alkyl.

22. A method according to claim 21 wherein R<sup>3</sup> is hydroxymethyl, 1-hydroxyethyl or 1,2-dihydroxyethyl wherein the 2-hydroxy group is optionally substituted with alkylcarbonyl or aminocarbonyl where the amino group is optionally substituted.

23. A method according to claim 17 wherein R<sup>3</sup> is in the 3-position.

24. A method according to claim 17 wherein A is NH, NCH<sub>3</sub>, O, CH<sub>2</sub>, CHOH, CH(NH<sub>3</sub>), C(Me)(OH) or CH(Me) and B is CH<sub>2</sub>, CHOH, CO or S or A is CR<sup>6</sup>R<sup>7</sup> and B CR<sup>8</sup>R<sup>9</sup> and R<sup>6</sup> and R<sup>8</sup> together represent -O- and R<sup>7</sup> and R<sup>9</sup> are both hydrogen, and n is 0 or 1.

25. A method according to claim 24 wherein:

A is NH, B is CO and n is 1 or 0;

A is O, B is CH<sub>2</sub> and n is 1 or 0;

A is CH<sub>2</sub> or CH<sub>2</sub>OH, B is CH<sub>2</sub>, and n is 1 or 0;

A is NCH<sub>3</sub>, CH(NH<sub>3</sub>), C(Me)(OH) or CH(Me), B is CH<sub>2</sub> and n is 1

A is CR<sup>6</sup>R<sup>7</sup> and B CR<sup>8</sup>R<sup>9</sup> and R<sup>6</sup> and R<sup>8</sup> together represent -O- and R<sup>7</sup> and R<sup>9</sup> are both hydrogen and n is 1.

26. A method according to claim 17 wherein R<sup>4</sup> is (C<sub>5-10</sub>)alkyl, unsubstituted phenyl(C<sub>2-3</sub>)alkyl or unsubstituted phenyl(C<sub>3-4</sub>)alkenyl.
27. A method according to claim 17 wherein R<sup>5</sup> is unbranched at the  $\alpha$  and, where appropriate,  $\beta$  positions.
28. A compound of formula (I) as defined in claim 17 selected from:  
[3R,4R]-3-Ethyl-1-hexyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-hexyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R] 3-Ethyl-1-heptyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R] 3-Ethyl-1-octyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-octyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-decyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-decyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-dodecyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R] 3-Ethyl-1-dodecyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-cinnamyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-hydroxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-(2-hydroxyethyl)-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[5-phthalimidopentyloxy]-quinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[5-aminopentyloxy]-quinolin-4-yl)propyl]piperidine;

[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[2-Amino-2-oxo-1,1-dimethyl]ethoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[2-hydroxy-2-methylpropionamido]quinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-aminoquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-azidoquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-hydroxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-propyloxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(5-Phthalimidopentyloxy)-quinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(5-aminopentyloxy)-quinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethenyl-1-(2-*t*-butyloxycarbonylaminoethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethenyl-1-(2-phenoxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-(4-ethylbenzyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3S,4R]-3-Ethenyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-(2-hydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-(2-acetoxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-(3-hydroxypropyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-(1-hydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-(2-phenylethyl)-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-(3-phenylpropyl)-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
Heptyl-4-[2-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)prop-2-enyl]piperidine;  
1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)butyl]piperidine;

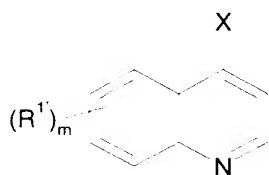
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-azido-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-amino-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-(3-(R,S)-amino-3-(6-methoxyquinolin-4-yl)propyl)piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)butyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-4-(3-(R,S)-acetamido-3-(6-methoxyquinolin-4-yl)propyl)piperidine;  
[3R,4R]-1-Heptyl-3-(2-(R,S)-Hydroxypropyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-(1-(R,S),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-1-Heptyl-3-aminocarbonyloxyethyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyloxycarbonylaminocarbonyloxyethyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-(1-(R,S)-2-Dihydroxyethyl)-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R, 4R]-3-Ethyl-1-heptyl-4-[(6-methoxyquinolinyl-4-oxy)methyl]piperidine;  
[3R,4S]-3-Ethenyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)-oxyethyl]piperidine;  
1-Heptyl-4-[(6-methoxyquinolin-4-yl)oxymethyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[(6-methoxyquinolin-4-yl)methylthiomethyl]piperidine;  
[3R,4R]-1-Heptyl-3-ethenyl-4-[(6-methoxyquinoline-4-yl)carbonylamino]methyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]propionamide;  
[3R,4R]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]propylamine;  
[3R,4S]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]acetamide;  
[3R,4R]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]ethylamine;  
[3R,4S]-3-Ethenyl-1-heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)ethyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)ethyl]piperidine;  
1-Heptyl-4-[2(R,S)-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-piperidine;

[3S,4R]-3-Ethenyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)ethyl]piperidine;  
N-(6-Methoxy-4-quinoliny)-1-heptyl-4-piperidinecarboxamide;  
(3Z)-(4R)-3-Ethylidene-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4S]-1-Cinnamyl-4-[2-(6-methoxyquinolin-4-yl)-oxyethyl]piperidine;  
[3R,4R]-3-(2-Acetoxyethyl)-1-heptyl-4-[3-(6-methoxy-quinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-{2-hydroxyethyloxy}quinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-(Ethylaminocarbonyloxyethyl)-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-aminocarbonylamino-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(4-aminobutyloxy)-quinolin-4-yl)propyl]piperidine;  
[3R, 4R]-1-Heptyl-3-(1-(R)- and 1-(S)-hydroxy-2-methoxyethyl)-4-[3-(6-methoxyquinolin-4-yl) propyl] piperidine;  
[3R, 4R]-1-Heptyl-3-(1-(R)- and 1-(S)-hydroxy-2-methylthioethyl)-4-[3-(6-methoxyquinolin-4-yl) propyl]piperidine;  
[3R, 4R]-1-(5-Methylhexyl)-3-(1-(R)- and 1-(S)-2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R, 4R]-3-Ethyl-1-heptyl-4-[3-(6-(3-aminopropyl)oxyquinolin-4-yl)propyl]piperidine;  
[3R, 4R]-3-Ethyl-1-heptyl-4-[3-(6-(2-aminoethyl)oxyquinolin-4-yl)propyl]piperidine;  
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(3-guanidinopropyl)oxyquinolin-4-yl) propyl] piperidine;  
[3R, 4R]-3-Ethyl-1-heptyl-4-[3-(6-(piperidine-4-yl) methoxyquinolin-4-yl)propyl]piperidine;  
[3R, 4S]-1-Heptyl-3-vinyl-4-[3-(6-methoxyquinolin-4-yl)-(R,R)-oxiran-2-yl)methyl]piperidine;  
[3R, 4S]-1-Heptyl-4-[(2S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]-3-vinylpiperidine;  
[3R, 4S]-1-Heptyl-3-vinyl-4-[3-(6-methoxyquinolin-4-yl)-(S,S)-oxiran-2-yl-methyl]piperidine;  
[3R, 4S]-3-Ethyl-1-heptyl-4-[2-(S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
[3R, 4S]-1-Heptyl-4-[N-methyl-N-(6-methoxyquinolin-4-yl)aminoethyl]-3-vinylpiperidine;

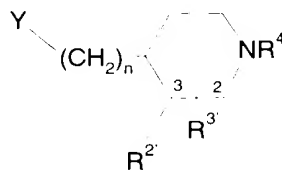
[3R,4R]-1-Heptyl-3-(1-(R,S)-hydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
 [3R,4R]-1-Heptyl-3-(1-(R,S)-hydroxy-1-methylethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
 [3R,4R]-1-Heptyl-3-hydroxymethyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
 [3R,4R]-1-(6-Methylheptyl)-3-(1-(R) and 1-(S),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;  
 [3R, 4S]-1-Heptyl-4-[(2S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]-3-(2-hydroxyethyl)piperidine;  
 [3R, 4S]-1-Heptyl-3-aminocarbonyloxymethyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine and  
 [3R, 4R]-1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]-3-(2-carbamoylethyl)piperidine;  
 or a pharmaceutically acceptable derivative of any of the foregoing compounds.

29. A process for preparing a compound of formula (IA), or a pharmaceutically acceptable derivative thereof, according to claim 18 which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



(V)

wherein m, n, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are as defined in formula (I), and X and Y may be the following combinations:

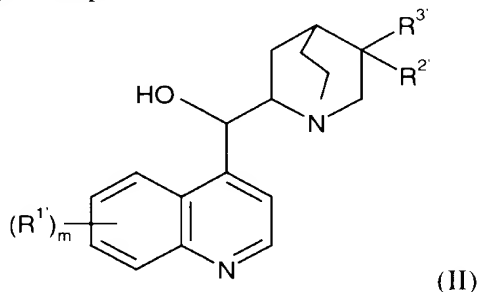
- (i) X is M and Y is CH<sub>2</sub>CO<sub>2</sub>R<sup>X</sup>
- (ii) X is CO<sub>2</sub>R<sup>Y</sup> and Y is CH<sub>2</sub>CO<sub>2</sub>R<sup>X</sup>
- (iii) one of X and Y is CH=SPh<sub>2</sub> and the other is CHO
- (iv) X is CH<sub>3</sub> and Y is CHO
- (v) X is CH<sub>3</sub> and Y is CO<sub>2</sub>R<sup>X</sup>
- (vi) X is CH<sub>2</sub>CO<sub>2</sub>R<sup>Y</sup> and Y is CO<sub>2</sub>R<sup>X</sup>
- (vii) X is CH=PR<sup>Z</sup><sub>3</sub> and Y is CHO
- (viii) X is CHO and Y is CH=PR<sup>Z</sup><sub>3</sub>
- (ix) X is halogen and Y is CH=CH<sub>2</sub>
- (x) one of X and Y is COW and the other is NHR<sup>11'</sup> or NCO



- (xi) one of X and Y is  $(\text{CH}_2)_p\text{-V}$  and the other is  $(\text{CH}_2)_q\text{NHR}^{11'}$ ,  $(\text{CH}_2)_q\text{OH}$ ,  $(\text{CH}_2)_q\text{SH}$  or  $(\text{CH}_2)_q\text{SCOR}^x$  where  $p+q=1$
- (xii) one of X and Y is CHO and the other is  $\text{NHR}^{11'}$
- (xiii) one of X and Y is OH and the other is  $-\text{CH}=\text{N}_2$

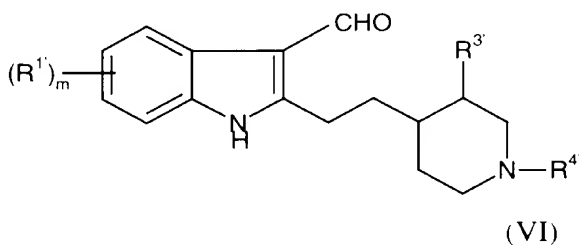
in which V and W are leaving groups,  $\text{R}^x$  and  $\text{R}^y$  are  $(\text{C}_{1-6})$ alkyl and  $\text{R}^z$  is aryl or  $(\text{C}_{1-6})$ alkyl;

(b) rearranging a compound of formula (II):



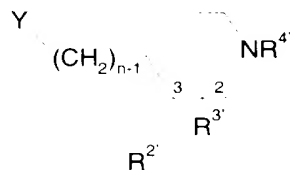
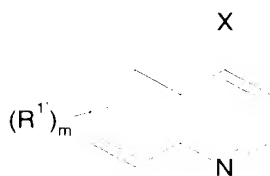
to give a compound of formula (III) which is a compound of formula (I) where  $\text{R}^3$  is in the 3-position, n is 1, A-B is  $\text{COCH}_2$  or disubstituted epoxide and  $\text{R}^2$  is H, and thereafter optionally reducing to a compound of formula (VII) which is a compound of formula (I) where n is 1, A-B is  $\text{CHOHCH}_2$  or  $\text{CH}_2\text{CHOH}$  and  $\text{R}^2$  is H;

(c) photooxygenating a compound of formula (VI):



or

(d) reacting a compound of formula (IV) with a compound of formula (Vb):

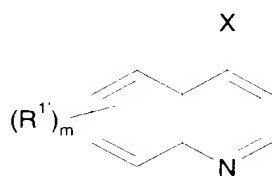


wherein m, n,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are as defined in formula (I), X is  $CH_2NHR^{11'}$  and Y is CHO or COW or X is  $CH_2OH$  and Y is  $-CH=N_2$ :

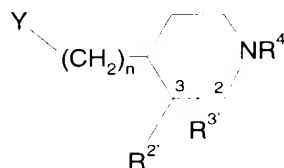
in which  $R^{11'}$ ,  $R^{1'}$ ,  $R^{2'}$ ,  $R^{3'}$  and  $R^{4'}$  are  $R^{11}$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  or groups convertible thereto, and thereafter optionally or as necessary converting  $R^{11'}$ ,  $R^{1'}$ ,  $R^{2'}$ ,  $R^{3'}$  and  $R^{4'}$  to  $R^{11}$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$ , converting A-B to other A-B, interconverting  $R^{11}$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and/or  $R^4$  and forming a pharmaceutically acceptable derivative thereof.

30. A process for preparing a compound of formula (IB), or a pharmaceutically acceptable derivative thereof, according to claim 19 which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



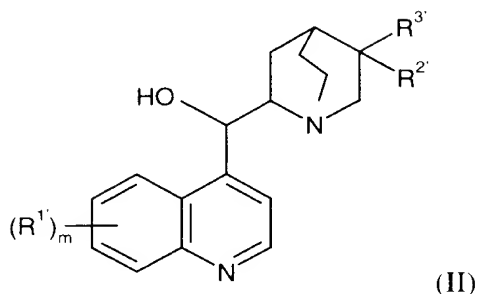
(V)

wherein m, n,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are as defined in formula (I), and X and Y may be the following combinations:

- (i) X is M and Y is  $CH_2CO_2R^X$
- (ii) X is  $CO_2R^Y$  and Y is  $CH_2CO_2R^X$
- (iii) one of X and Y is  $CH=SPh_2$  and the other is CHO
- (iv) X is  $CH_3$  and Y is CHO
- (v) X is  $CH_3$  and Y is  $CO_2R^X$
- (vi) X is  $CH_2CO_2R^Y$  and Y is  $CO_2R^X$
- (vii) X is  $CH=PR^Z_3$  and Y is CHO
- (viii) X is CHO and Y is  $CH=PR^Z_3$
- (ix) X is halogen and Y is  $CH=CH_2$
- (x) one of X and Y is COW and the other is  $NHR^{11'}$  or NCO
- (xi) one of X and Y is  $(CH_2)_p-V$  and the other is  $(CH_2)_qNHR^{11'}$ ,  $(CH_2)_qOH$ ,  $(CH_2)_qSH$  or  $(CH_2)_qSCOR^X$  where  $p+q=1$
- (xii) one of X and Y is CHO and the other is  $NHR^{11'}$
- (xiii) one of X and Y is OH and the other is  $-CH=N_2$

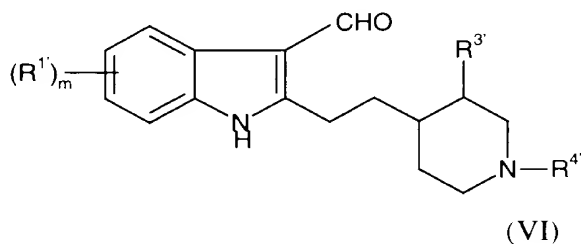
in which V and W are leaving groups,  $R^X$  and  $R^Y$  are  $(C_{1-6})$ alkyl and  $R^Z$  is aryl or  $(C_{1-6})$ alkyl;

(b) rearranging a compound of formula (II):



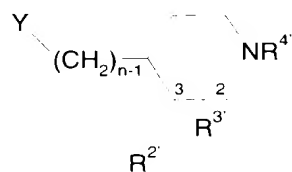
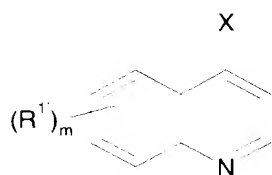
to give a compound of formula (III) which is a compound of formula (I) where  $R^3$  is in the 3-position,  $n$  is 1, A-B is  $\text{COCH}_2$  or disubstituted epoxide and  $R^2$  is H, and thereafter optionally reducing to a compound of formula (VII) which is a compound of formula (I) where  $n$  is 1, A-B is  $\text{CHOHCH}_2$  or  $\text{CH}_2\text{CHOH}$  and  $R^2$  is H;

(c) photooxygenating a compound of formula (VI):



or

(d) reacting a compound of formula (IV) with a compound of formula (Vb):

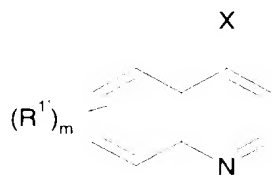


wherein  $m$ ,  $n$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are as defined in formula (I),  $X$  is  $\text{CH}_2\text{NHR}^{11'}$  and  $Y$  is  $\text{CHO}$  or  $\text{COW}$  or  $X$  is  $\text{CH}_2\text{OH}$  and  $Y$  is  $-\text{CH}=\text{N}_2$ :

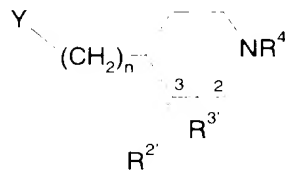
in which  $R^{11'}$ ,  $R^{1'}$ ,  $R^{2'}$ ,  $R^{3'}$  and  $R^{4'}$  are  $R^{11}$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  or groups convertible thereto, and thereafter optionally or as necessary converting  $R^{11'}$ ,  $R^{1'}$ ,  $R^{2'}$ ,  $R^{3'}$  and  $R^{4'}$  to  $R^{11}$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$ , converting A-B to other A-B, interconverting  $R^{11}$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and/or  $R^4$  and forming a pharmaceutically acceptable derivative thereof.

31. A process for preparing a compound of formula (I), or a pharmaceutically acceptable derivative thereof, according to claim 28 which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



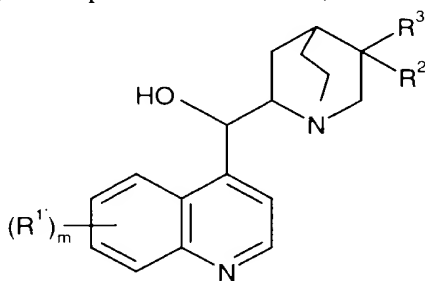
(V)

wherein m, n, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are as defined in formula (I), and X and Y may be the following combinations:

- (i) X is M and Y is CH<sub>2</sub>CO<sub>2</sub>R<sup>x</sup>
- (ii) X is CO<sub>2</sub>R<sup>y</sup> and Y is CH<sub>2</sub>CO<sub>2</sub>R<sup>x</sup>
- (iii) one of X and Y is CH=SPh<sub>2</sub> and the other is CHO
- (iv) X is CH<sub>3</sub> and Y is CHO
- (v) X is CH<sub>3</sub> and Y is CO<sub>2</sub>R<sup>x</sup>
- (vi) X is CH<sub>2</sub>CO<sub>2</sub>R<sup>y</sup> and Y is CO<sub>2</sub>R<sup>x</sup>
- (vii) X is CH=PR<sup>z</sup><sub>3</sub> and Y is CHO
- (viii) X is CHO and Y is CH=PR<sup>z</sup><sub>3</sub>
- (ix) X is halogen and Y is CH=CH<sub>2</sub>
- (x) one of X and Y is COW and the other is NHR<sup>11'</sup> or NCO
- (xi) one of X and Y is (CH<sub>2</sub>)<sub>p</sub>-V and the other is (CH<sub>2</sub>)<sub>q</sub>NHR<sup>11'</sup>, (CH<sub>2</sub>)<sub>q</sub>OH, (CH<sub>2</sub>)<sub>q</sub>SH or (CH<sub>2</sub>)<sub>q</sub>SCOR<sup>x</sup> where p+q=1
- (xii) one of X and Y is CHO and the other is NHR<sup>11'</sup>
- (xiii) one of X and Y is OH and the other is -CH=N<sub>2</sub>

in which V and W are leaving groups, R<sup>x</sup> and R<sup>y</sup> are (C<sub>1-6</sub>)alkyl and R<sup>z</sup> is aryl or (C<sub>1-6</sub>)alkyl;

(b) rearranging a compound of formula (II):

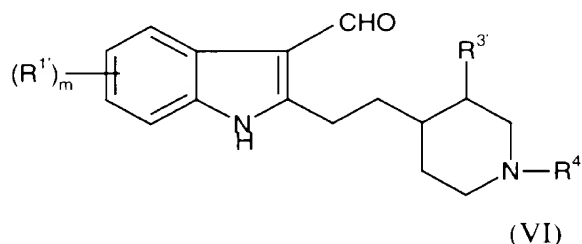


(II)

to give a compound of formula (III) which is a compound of formula (I) where R<sup>3</sup> is in the 3-position, n is 1, A-B is COCH<sub>2</sub> or disubstituted epoxide and R<sup>2</sup> is H.

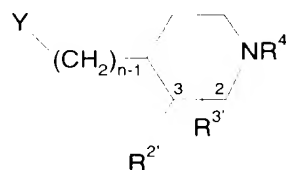
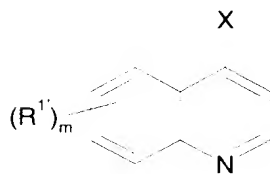
and thereafter optionally reducing to a compound of formula (VII) which is a compound of formula (I) where n is 1, A-B is  $\text{CHOHCH}_2$  or  $\text{CH}_2\text{CHOH}$  and  $\text{R}^2$  is H;

(c) photooxygenating a compound of formula (VI):



or

(d) reacting a compound of formula (IV) with a compound of formula (Vb):



wherein m, n,  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  and  $\text{R}^4$  are as defined in formula (I), X is  $\text{CH}_2\text{NHR}^{11'}$  and Y is CHO or COW or X is  $\text{CH}_2\text{OH}$  and Y is  $-\text{CH}=\text{N}_2$ ;  
 in which  $\text{R}^{11'}$ ,  $\text{R}^{1'}$ ,  $\text{R}^{2'}$ ,  $\text{R}^{3'}$  and  $\text{R}^{4'}$  are  $\text{R}^{11}$ ,  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  and  $\text{R}^4$  or groups convertible thereto, and thereafter optionally or as necessary converting  $\text{R}^{11'}$ ,  $\text{R}^{1'}$ ,  $\text{R}^{2'}$ ,  $\text{R}^{3'}$  and  $\text{R}^{4'}$  to  $\text{R}^{11}$ ,  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  and  $\text{R}^4$ , converting A-B to other A-B, interconverting  $\text{R}^{11}$ ,  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  and/or  $\text{R}^4$  and forming a pharmaceutically acceptable derivative thereof.

32. A pharmaceutical composition comprising a compound according to claim 18, and a pharmaceutically acceptable carrier.

33. A pharmaceutical composition comprising a compound according to claim 19, and a pharmaceutically acceptable carrier.

34. A pharmaceutical composition comprising a compound according to claim 18, and a pharmaceutically acceptable carrier.